

PENDING CLAIMS AS AMENDED

Please amend the claims as follows:

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1. (Currently Amended) In a wireless communication system supporting a uni-directional transmission, a method comprising:
generating a payload transmission frame;
determining a header for the payload transmission frame;
compressing the header using a first format; and
~~periodically generating at least one parameter of the first format~~
placing at least one parameter for the first format in a decompression information segment, wherein the decompression information segment is separate from any payload transmission frame, and the decompression information segment is queued for transmission on the same channel as the payload transmission frame.
 2. (Original) The method as in claim 1, wherein the uni-directional transmission is a broadcast service.
 3. (Original) The method as in claim 2, wherein the at least one parameter of the first format is interleaved between broadcast content in a broadcast stream of information.
 4. (Original) The method as in claim 3, wherein the broadcast stream of information is transmitted as Internet Protocol packets.
 5. (Original) The method as in claim 2, wherein compressing further comprises:
applying an ROHC format.
 6. (Currently Amended) In a wireless communication system supporting a uni-directional transmission, a method comprising:

receiving a payload transmission frame, the payload transmission frame having a header compressed using a first format;

receiving at least one parameter describing the first format in a decompression information segment, wherein the decompression information segment is separate from any payload transmission frame, and the decompression information segment is received on the same channel as the payload transmission frame; and decompressing the payload transmission frame using the first format.

7. (Original) The method as in claim 6, wherein the transmission frame is part of a broadcast stream of information.

8. (Original) The method as in claim 7, wherein the broadcast stream of information comprises Internet Protocol packets.

9. (Original) The method as in claim 8, wherein the at least one parameter is interleaved with broadcast content in the broadcast stream of information.

10. (Currently Amended) In a wireless communication system supporting a uni-directional transmission, an infrastructure element, comprising:

means for generating a payload transmission frame;

means for determining a header for the payload transmission frame;

means for compressing the header using a first format; and

~~means for periodically generating at least one parameter of the first format~~

means for placing at least one parameter for the first format in a decompression information segment, wherein the decompression information segment is separate from any payload transmission frame, and the decompression information segment is queued for transmission on the same channel as the payload transmission frame.

11. (Currently Amended) In a wireless communication system supporting a uni-directional transmission, ~~an infrastructure element~~, a wireless apparatus comprising:

- means for receiving a payload transmission frame, the payload transmission frame having a header compressed using a first format;
- means for receiving at least one parameter describing the first format in a decompression information segment, wherein the decompression information segment is separate from any payload transmission frame, and the decompression information segment is received on the same channel as the payload transmission frame; and
- means for decompressing the payload transmission frame using the first format.

12. (Currently Amended) A digital signal storage device, comprising:

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- first set of instructions for receiving a payload transmission frame, the payload transmission frame having a header compressed using a first format;
 - second set of instructions for receiving at least one parameter describing the first format in a decompression information segment, wherein the decompression information segment is separate from any payload transmission frame, and the decompression information segment is received on the same channel as the payload transmission frame; and
 - third set of instructions for decompressing the payload transmission frame using the first format.

13. (Original) A communication signal transmitted on a carrier wave, comprising:

- a broadcast content portion comprising a plurality of transmission frames, each of the plurality of transmission frames having a compressed header;
- and
- a header protocol information portion, wherein the header protocol information portion includes information for decompressing at least one of the compressed headers of the plurality of transmission frames.

14. (Original) The communication signal as in claim 13, wherein the header protocol information portion is interleaved with the broadcast portion.

15. (Original) The communication signal as in claim 14, wherein the header protocol information portion is transmitted periodically.
